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Application Serial No. 10/729,953

Responsive to Office Action dated 12 January 2006

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of the Claims in the subject Patent Application:

LISTING OF CLAIMS:

Claim 1 (Currently Amended): A driving system for a garage door, comprising:

a track ~~(12)~~ having an end adapted to be fixed on an inside of a wall and having an open side that faces upward,

a driving assembly ~~(20)~~ movably received in the track ~~(12)~~ and adapted to be driven by a motor ~~(60)~~, the driving assembly including:

a base and a cover mounted to the base, the base having two grooves and the cover has two grooves which are located in alignment with the two grooves on said base, and

a connection member having a clamping recess formed in each of two ends thereof, said two ends respectively engaged with the two clamping recesses, said connection member being movably received in a space defined by the aligned grooves of the base and cover;

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a power transferring member (50) having two ends ~~and~~, the two ends of the power transferring member (50) ~~connected to~~ being respectively engaged with the two clamping recesses of the connection member of the driving assembly (20), and

a U-shaped member (40) movably engaged with the track (12) from an underside of the track (12) and two sides of the U-shaped member (40) being connected to the driving assembly (20), one end of a link (41,42) ~~pivotally~~ being pivotally connected to the U-shaped member and the other end of the link (41,42) being adapted to be connected to ~~the~~ a garage door (11).

Claim 2 (Cancelled).

Claim 3 (Currently Amended): The system as claimed in claim 2 1, wherein the cover (22) has a window (222) and the base (21) has a concavity (211) ~~defined~~ formed in a top thereof ~~[[.]]~~ for receiving a retaining member (23) having a protrusion (230) extending from an underside of an end thereof, ~~and~~ the protrusion (230) being rotatably received in the concavity (211), a recessed area (231) ~~defined~~ being formed in a top of the retaining member (23) and a stop (232) extending from a surface of the recessed area

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~~(231)~~ ~~so as to define~~ thereby form an annular path around the stop ~~(232)~~, a pulling member ~~(31)~~ having a tongue ~~(310)~~ extending from an end thereof ~~so as to be~~ and being removably engaged with a recess ~~(511)~~ ~~defined~~ formed in a side of the connection member ~~(51)~~ and a top plate ~~(312)~~ extending from a top of the pulling member ~~(31)~~, the top plate ~~(312)~~ movably extending through the window ~~(222)~~ of the cover ~~(22)~~, a boss ~~(311)~~ extending from an underside of the pulling member ~~(31)~~ and movably engaged in the annular path of the retaining member ~~(23)~~, a spring ~~(32)~~ connected between the top plate ~~(312)~~ and a ring ~~(224)~~ on the cover ~~(22)~~ ~~so as to bias the tongue (310) to be engaged with the recess (511) of the connection member (51), a rope (33) connected to the top plate (314) so as to pull the top plate (312) to disengage the tongue (310) from the recess (511) of the connection member (51).~~

Claim 4 (Currently Amended): The system as claimed in claim ~~2~~ 1, wherein the cover ~~(22)~~ having two lugs ~~(223)~~ extending from a top of each of two sides thereof and further having two pins ~~(24)~~ extending through the two sides of the U-shaped member ~~(40)~~ and through the two respective pairs of lugs ~~(223)~~ which are aligned one with respect to the ~~each~~ other.

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Claim 5 (Currently Amended): The system as claimed in claim 1, wherein a gear ~~(52)~~ is rotatably located in the track ~~(12)~~ and has an engaging hole ~~defined~~ formed therethrough, the track ~~(12)~~ having an opening ~~defined~~ formed therethrough and located in alignment with the engaging hole of the gear ~~(52)~~, the power transferring member ~~(50)~~ reeving through being engaged with the gear ~~(52)~~, the motor ~~(60)~~ having a driving shaft ~~(61)~~ extending therefrom and the shaft ~~(61)~~ extending through the opening of the track ~~(12)~~ and engaged with the engaging hole of the gear ~~(52)~~.

Claim 6 (Currently Amended): The driving system for a garage door, comprising:
a track ~~(12)~~ having an end adapted to be fixed on an inside of a wall, ~~and~~
a driving assembly ~~(20)~~ movably received in the track ~~(12)~~ and adapted to be driven by a motor ~~(60)~~, the driving assembly including:

a base and a cover which is mounted to the base, the base having a groove which is located in alignment with a groove on said cover, and
a connection member having a clamping recess formed in each of two ends thereof, the connection member being movably received in a space defined by the aligned grooves.

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a power transferring member (50) having two ends ~~and~~, the two ends of the power transferring member (50) ~~connected to~~ being respectively engaged with the clamping recesses of the connection member of the driving assembly (20),

a gear (52) rotatably located in the track (12) and having an engaging hole ~~defined~~ formed therethrough, the track (12) having an opening ~~defined~~ formed therethrough and located in alignment with the engaging hole of the gear (52), the power transferring member (50) ~~reeving through~~ being engaged with the gear (52); the motor (60) having a driving shaft (61) extending therefrom and the shaft (61) extending through the opening of the track (12) and being engaged with the engaging hole of the gear (52), and

a link, one end of ~~a the~~ link (41, 42) ~~pivotably~~ being pivotally connected to the driving assembly (20) and the other end of the link (41, 42) being adapted to be connected to the a garage door (11).

Claim 7 (Currently Amended): The system as claimed in claim 6, wherein the track (12) has an open side that faces upward and a U-shaped member (40) ~~is being~~ movably engaged with the track (12) from an underside of the track, ~~and~~ two sides of the U-shaped member (40) being connected to the driving assembly (20).

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Claim 8 (Cancelled).

Claim 9 (Currently Amended): The system as claimed in claim 6 &, wherein the cover (22) has a window (222) and the base (21) has a concavity (211) ~~defined~~ formed in a top thereof, a retaining member (23) having a protrusion (230) extending from an underside of an end thereof and the protrusion (230) being rotatably received in the concavity (211), a recessed area (231) ~~defined~~ being formed in a top of the retaining member (23) and a stop (232) extending from a surface of the recessed area (231) ~~so as to define thereby form~~ an annular path around the stop (232), a pulling member (31) having a tongue (310) extending from an end thereof ~~so as to be~~ and being removably engaged with a recess (511) ~~defined~~ formed in a side of the connection member (51) and a top plate (312) extending from a top of the pulling member (31), the top plate (312) movably extending through the window (222) of the cover (22), a boss (311) extending from an underside of the pulling member (31) and movably engaged in the annular path of the retaining member (23), a spring (32) connected between the top plate (312) and a ring (224) on the cover (22) ~~so as to bias the tongue (310) to be engaged with the recess (511)~~

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of the connection member (51), a rope (33) connected to the top plate (314) ~~so as to pull~~ the top plate (312) to disengage the tongue (310) from the recess (514) of the connection member (51).

Claim 10 (Currently Amended): The system as claimed in claim 7, wherein the cover (22) has two lugs (222) extending from each of a top of each of two sides thereof and further having two pins (24) extend extending through the two sides of the U-shaped member (40) and also through the two respective pairs of lugs which are aligned one with respect to the each other.

Claim 11 (Currently Amended): A driving system for a garage door, comprising:
a track (12) having an end adapted to be fixed on an inside of a wall and an open side that faces upwardly,

a U-Shaped member being movably engaged with said track from the underside of the track, and

a driving assembly (20) movably received in the track (12) and adapted to be driven by a motor (60).

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a cover having two lugs extending from a top of each of two sides thereof, the cover further having two pins extending through the two sides of the U-Shaped member and also through the two respective pairs of lugs which are aligned one with respect to the other,

a power transferring member ~~(50)~~ having two ends and the two ends of the power transferring member ~~(50)~~ being connected to the driving assembly ~~(20)~~, one end of a link ~~(41, 42)~~ being pivotably connected to the U-shaped member and the other end of the link ~~(41, 42)~~ adapted to be connected to the a garage door ~~(11)~~.

Claims 12 - 15 (Cancelled).